

Table HC3.6 Air Conditioning Characteristics by Owner-Occupied Housing Units, 2005
Million U.S. Housing Units

Air Conditioning Characteristics	U.S. Housing Units (millions)	Owner- Occupied Housing Units (millions)	Type of Owner-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Total.....	111.1	78.1	64.1	4.2	1.8	2.3	5.7
Do Not Have Cooling Equipment.....	17.8	11.3	9.3	0.6	Q	0.4	0.9
Have Cooling Equipment.....	93.3	66.8	54.7	3.6	1.7	1.9	4.8
Use Cooling Equipment.....	91.4	65.8	54.0	3.6	1.7	1.9	4.7
Have Equipment But Do Not Use it.....	1.9	1.1	0.8	Q	N	Q	Q
Air-Conditioning Equipment^{1, 2}							
Central System.....	65.9	51.7	43.9	2.5	0.7	1.6	3.1
Without a Heat Pump.....	53.5	41.1	34.8	2.1	0.5	1.2	2.6
With a Heat Pump.....	12.3	10.6	9.1	0.4	Q	0.3	0.6
Window/Wall Units.....	28.9	16.5	12.0	1.3	1.0	0.4	1.7
1 Unit.....	14.5	7.2	5.4	0.5	0.2	Q	0.9
2 Units.....	9.1	5.5	3.7	0.5	0.6	Q	0.6
3 or More Units.....	5.4	3.8	2.9	0.4	Q	N	0.2
Central Air-Conditioning.....	65.9	51.7	43.9	2.5	0.7	1.6	3.1
Housing Units Served by Central Air-Conditioning Equipment							
One Housing Unit.....	64.2	51.4	43.7	2.5	0.7	1.5	3.1
Two or More Housing Units.....	1.7	0.3	Q	N	Q	Q	Q
Do Not Have Central A/C Equipment.....	45.2	26.4	20.2	1.7	1.1	0.7	2.6
Number of Rooms Cooled by Central Air-Conditioning in Summer 2005							
None.....	1.4	0.8	0.6	Q	N	Q	Q
1.....	0.7	Q	Q	N	N	Q	Q
2.....	2.1	1.2	0.9	Q	N	Q	Q
3.....	7.5	4.7	3.6	0.4	Q	Q	0.4
4.....	7.9	4.4	2.5	0.3	Q	0.6	0.8
5 or More.....	46.3	40.4	36.1	1.6	0.4	0.5	1.7
Proportion of Rooms Air-Conditioned							
None.....	1.4	0.8	0.6	Q	N	Q	Q
Some, But Not All of the Rooms.....	8.4	7.2	6.3	0.5	Q	Q	0.4
All of the Rooms.....	56.1	43.7	37.0	1.9	0.7	1.4	2.7
Frequency of Central Air-Conditioner Use							
Never.....	1.4	0.8	0.6	Q	N	Q	Q
Only a Few Times When Needed.....	11.4	8.8	7.0	0.9	Q	0.4	0.4
Quite a Bit.....	12.6	9.7	8.2	0.5	Q	Q	0.6
All Summer.....	40.5	32.3	28.1	1.0	0.4	0.9	2.0
Age of Central Air-Conditioner Used by One Housing Unit							
Less than 2 Years.....	9.0	7.6	6.7	0.4	Q	Q	0.3
2 to 4 Years.....	11.0	9.1	7.8	0.4	Q	Q	0.6
5 to 9 Years.....	16.3	14.2	12.3	0.6	Q	Q	0.9
10 to 19 Years.....	16.8	14.2	12.0	0.7	Q	0.4	0.9
20 Years or More.....	6.5	4.5	3.6	0.3	Q	0.3	Q
Don't Know.....	4.5	1.7	1.3	Q	Q	Q	Q

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			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Used by Two or More Housing Units							
Less than 2 Years.....	Q	N	N	N	N	N	N
2 to 4 Years.....	Q	N	N	N	N	N	N
5 to 9 Years.....	0.3	Q	Q	N	N	Q	Q
10 to 19 Years.....	0.3	Q	Q	N	N	Q	N
20 Years or More.....	0.3	Q	Q	N	Q	N	N
Don't Know.....	0.7	N	N	N	N	N	N
Household Pays for Electricity for Central Air-Conditioning							
Yes.....	63.6	51.5	43.7	2.5	0.7	1.5	3.1
No.....	2.3	0.3	Q	Q	N	Q	Q
Window/Wall Unit Air-Conditioning.....	28.9	16.5	12.0	1.3	1.0	0.4	1.7
Frequency Most-Used Unit Used							
Never.....	0.6	0.3	0.3	N	N	N	Q
Only a Few Times When Needed.....	12.1	7.2	5.4	0.6	0.5	Q	0.5
Quite a Bit.....	7.5	4.6	3.3	0.4	0.3	Q	0.5
All Summer.....	8.6	4.4	3.1	0.3	Q	Q	0.8
Age of Most-Used Unit							
Less than 2 Years.....	6.4	3.4	2.5	0.3	0.3	Q	0.2
2 to 4 Years.....	7.8	4.6	3.1	0.4	Q	Q	0.7
5 to 9 Years.....	7.0	4.5	3.5	0.4	0.3	N	0.3
10 to 19 Years.....	3.7	2.5	2.0	Q	Q	Q	0.3
20 Years or More.....	2.1	1.0	0.7	Q	Q	Q	Q
Don't Know.....	1.8	0.4	0.2	Q	N	Q	Q
Household Pays for Electricity for Window/Wall Air-Conditioners							
Yes.....	26.1	16.0	11.7	1.3	1.0	0.3	1.6
No.....	2.2	0.2	Q	Q	N	Q	Q

1. In the 2005 RECS 1.5 million housing units reported having both central and window/wall air conditioners.

2. The number of housing units using air-conditioning includes a small, undetermined number of housing units where the fuel for central air-conditioning was some fuel other than electricity; these housing units were treated as if the air-conditioning fuel was electricity.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

N = No cases in reporting sample.

Notes: • Because of rounding, data may not sum to totals. • See Glossary for definition of terms used in these tables.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2005 Residential Energy Consumption Survey.